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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,403	11/08/2001	Kazutaka Goami	Q67185	5238

7590 08/11/2004

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EXAMINER

TRAN, THANG V

ART UNIT	PAPER NUMBER
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2653

DATE MAILED: 08/11/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/986,403	Applicant(s) GOAMI ET AL.	
	Examiner Thang Tran	Art Unit 2653	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Santo et al. (6,344,936).

Santo et al., according to Figs. 1-5, an objective lens driving apparatus comprising all features of the instant claimed invention as interpreted below.

Regarding claim 1, see Fig. 1 which shows a holder (2) to which focus/ tracking coils (4a,4b) and a lens (1) are installed; and magnetic circuit (8a, 8b) for applying magnetic flux to the focus coil and tracking coil; and wherein the tracking coil (see Figs. 2A-5B) including two sets each having upper and lower two coils (46, 46, 47, 49) arrayed in the focus direction and the two sets are also arrayed in the tracking direction (see coils (46-49 in Figs. 2A-5B), and the magnetic circuit (see Figs. 2A-5B) applying magnetic fluxes opposite to each other along a jitter direction with respect to the upper two coils (46, 48) and lower two coils (47, 49) without applying the magnetic fluxes with respect to portions adjacent to the upper and lower coils (see Figs. 2A- 4).

Regarding claim 4, see Fig. 1 which shows a holder (2) to which focus/ tracking coils (4a,4b) and a lens (1) are installed; and magnetic circuit (8a, 8b) for applying magnetic flux to the focus coil and tracking coil; and wherein the tracking coil (see Figs. 2A-5B) including two

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sets each having upper and lower two coils (46, 46, 47, 49) arrayed in the focus direction and the two sets are also arrayed in the tracking direction (see coils (46-49 in Figs. 2A-5B), and the magnetic circuit (see Figs. 2A-5B) applying magnetic fluxes opposite to each other along a jitter direction with respect to the upper two coils (46, 48) and lower two coils (47, 49) by a first density while applying the magnetic fluxes with respect to portions adjacent to the upper and lower two coils by a second density which is less than the first density (see respective disclosure of Figs. 2A - 4).

Regarding claims 3 and 4, see arrangement of coils 46-49 in Figs. 2A, 3A, 3B, 5A, 5B.

Regarding claims 5 and 6, see focusing coil 5a and the fluxes applied thereto in Figs. 2A, 3A, and 3B.

Regarding claims 7 and 8, see printed coil board 4a in Fig. 2A, 3A, 3B, 5A and 5B.

Cited References

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The cited reference relates to an objective lens drive device having two sets of tracking coils arrayed in tracking and focusing directions.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thang Tran whose telephone number is (703) 308-1551. The examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on 703 305-6137. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Thang Tran
Primary Examiner
Art Unit 2653